

CLAIMS

1. A binding piece connecting body comprising:

a plurality of binding pieces, each of the binding pieces comprising a clip having a pair of leg portions and a receiving member having a pair of holes for pinching to bind a bag opening portion by the receiving member and the clip by press-fitting the pair of leg portions of the clip to the pair of holes of the receiving member,

wherein in each of the binding pieces, the clip and the receiving member are connected, and

the plurality of binding pieces are connected.

2. The binding piece connecting body according to claim 1, wherein in each of the binding pieces, the clip and the receiving member are integrally molded into a single member.

3. The binding piece connecting body according to claim 2, wherein the plurality of binding pieces are integrally molded into a single member.

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4. The binding piece connecting body according to claim 1, further comprising:

a connecting portion for connecting the binding piece and other binding piece;

25 wherein the connecting portion is formed in a taper shape such that one end portion thereof becomes slenderer than other

end thereof.

5. The binding piece connecting body according to claim 1,
further comprising:

5 a projected portion provided on either one of a face of
the clip for pinching the bag opening portion and a face of
the receiving member for pinching the bag opening portion.

6. The binding piece connecting body according to claim 1,
10 wherein a lubricant is coated on either one of a hole wall
of the receiving member and peripheral faces of the pair of
leg portions of the clip.

7. The binding piece connecting body according to claim 6,
15 wherein the lubricant is coated on front portions of the pair
of leg portions of the clip.

8. The binding piece connecting body according to claim 6,
wherein the lubricant is coated on a vicinity of an opening
20 edge of the hole wall of the receiving member on a side of
being fitted with the pair of leg portions.

9. A binding piece comprising:

a clip having a pair of leg portions; and

25 a receiving member having a pair of holes for press-fitting
the pair of leg portions;

wherein a lubricant is coated on at least one of a hole wall of the receiving member and peripheral faces of the pair of leg portions of the clip.

5 10. The binding piece connecting body according to claim 9, wherein the lubricant is coated on front portions of the pair of leg portions of the clip.

10 11. The binding piece connecting body according to claim 9, wherein the lubricant is coated on a vicinity of an opening edge of the hole wall of the receiving member on a side of being fitted with the pair of leg portions.

15 12. A binding apparatus for binding a bag opening portion of a bag, by a binding piece connecting body comprising a plurality of binding pieces, each of the binding pieces comprising a clip having a pair of leg portions and a receiving member having a pair of holes for pinching to bind the bag opening portion by the receiving member and the clip by press-fitting the pair of leg portions of the clip to the pair of holes of the receiving member, wherein in each of the binding pieces, the clip and the receiving member are connected and the plurality of binding pieces are connected, the binding apparatus comprising:

20 a binding portion;

25 a driver for cutting to separate a front one of the binding piece of the binding piece connecting body and cutting to separate

the clip of the binding piece from the receiving member; and
a feeding mechanism for feeding the receiving member cut
to be separated from the clip to the binding portion;

wherein after feeding the receiving member to the binding
portion by the feeding mechanism, the driver feeds the clip
to the binding portion, and the bag opening portion is bound
by press-fitting the pair of leg portions of the clip to the
pair of holes of the receiving member fed to the binding portion.

10 13. The binding apparatus according to claim 12, wherein the
feeding mechanism comprises a guide wind path for guiding the
receiving member cut to be separated from the clip to the binding
portion, and wind blowing means for feeding the receiving member
to the binding portion by blowing air to the guide wind path.

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14. The binding apparatus according to claim 13, further
comprising:

a guide groove provided at an inner side face of the guide
wind path for guiding air blown from a blow out port of the
20 wind blowing means along the guide wind path.

15. The binding apparatus according to claim 12, wherein a
wall at a portion at which a moving path for moving the clip
to the binding portion and the guide wind path join is pivoted
25 in a direction of expanding the guide wind path.

16. The binding apparatus according to claim 13, further comprising:

a holding member arranged at the binding portion and holding the receiving member; and

5 a stopper provided at the holding member and impacted to the receiving member fed from the guide wind path to stop the receiving member;

wherein the stopper comprises an inclined impact face for impacting the receiving member.

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17. The binding apparatus according to claim 12, wherein the clip comprises a base portion provided at the pair of leg portions and a groove provided along a rear face of the base portion constituting a side opposed to the leg portion;

15 wherein the driver comprises an inserting portion inserted to the groove at a front end portion thereof, and

the driver inserts the inserting portion to the groove to feed the clip to the binding portion.

20 18. The binding apparatus according to claim 17, wherein a depth of the groove is deepened on both end sides of the base portion, and the inserting portion is formed substantially in a U-like shape.

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